

Trusted CI Update

Jim Basney
Director, Trusted CI

NSF Cybersecurity Summit
October 19, 2022



Trusted CI: The NSF Cybersecurity Center of Excellence

Our mission: to lead in the development of an NSF Cybersecurity Ecosystem with the workforce, knowledge, processes, and cyberinfrastructure that enables trustworthy science and NSF's vision of a nation that is a global leader in research and innovation.



<https://trustedci.org/>

2022 Summit Thanks

Summit Program Committee

Anita Nikolich (co-chair)
Jim Marsteller (co-chair)
Fatema Bannat Wala
Hoda Maleki
Chris Morrison
Aunshul Rege
Stan Waddell

Speakers and Attendees

Summit Organizers

Diana Cimmer (lead)
Leslee Bohland
Kelli Shute

Indiana University Staff

Ishan Abhinit (security)
Cory Gleyze, Keith Danielson and the IU IT
Communications Office
Tori Richardson

And NSF!

Director Transition

- In June, Von Welch stepped down as Trusted CI Director. We'll be presenting a thank you gift to him tomorrow.
- Current Trusted CI leadership:
 - Jim Basney, Director
 - Sean Peisert, Deputy Director
 - Kelli Shute, Executive Director



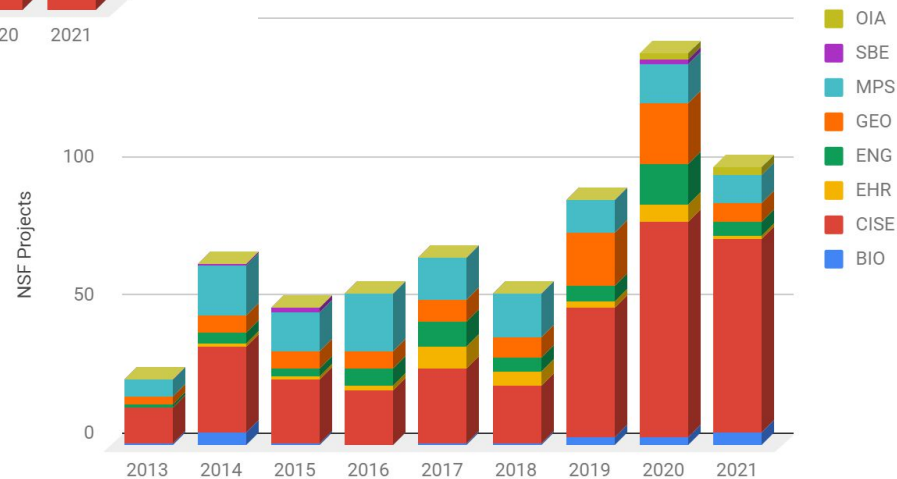
<https://blog.trustedci.org/2022/06/announcement-of-trusted-ci-director.html>



Engagements, by Year and Directorate



Summit Impact by Year



Trusted CI Impacts Report

March 2022
For Public Distribution

Jeannette Dopheide¹, John Zage², Jim Basney³

¹ jdopheid@illinois.edu
² jzage@illinois.edu
³ jbasney@illinois.edu



Dopheide, Jeannette, Zage, John, & Basney, Jim.
 (2022). Trusted CI Impacts Report. Zenodo.
doi.org/10.5281/zenodo.6374207

Trusted CI Framework Adoption



- Guidance for cybersecurity programs organized under 4 Pillars: **Mission Alignment**, **Governance**, **Resources**, and **Controls**
- Vetted by and tailored to the open science community.
- Adoption supported through six month cohorts
- Since January 2022, over half of NSF's Major Facilities have completed a cohort engagement or are currently participating in a cohort: GAGE, LIGO, NEON, NOIRLab, NRAO, NSO, OOI, and SAGE.
- Call for participation now open for 2023 1H Cohort:

<https://www.trustedci.org/framework/cohort>

JASON Report on Facilities Cybersecurity

- 7 recommendations on risk assessment, strategy coordination, annual reviews, incident response, resourcing, planning, and national security:
https://www.nsf.gov/news/special_reports/jasonreportcybersecurity/
- Trusted CI support, aligned with the Framework:
<https://trustedci.org/2022-jason-report>
- New Cybersecurity Advisor for Research Infrastructure position at NSF
<https://beta.nsf.gov/careers/openings/od/od/od-2022-87834>

Trusted CI Ambassadors

To better support the cybersecurity needs of the NSF Major Facilities, Trusted CI now assigns a staff member as an "ambassador" to each facility. This helps Trusted CI maintain connections with all the facilities, including an up-to-date understanding of cybersecurity needs.

Current Ambassadors:

Andrew Adams: OOI

Kay Avila: NEON

Adrian Crenshaw: US-ATLAS, US-CMS

Terry Fleury: LIGO

Josh Drake: GAGE, SAGE

Ryan Kiser: ARF

Mark Krenz: USAP, IceCube

Ranson Ricks: NOIRLab

Mike Simpson: Arecibo, NRAO, NSO

John Zage: IODP, LCCF, MagLab

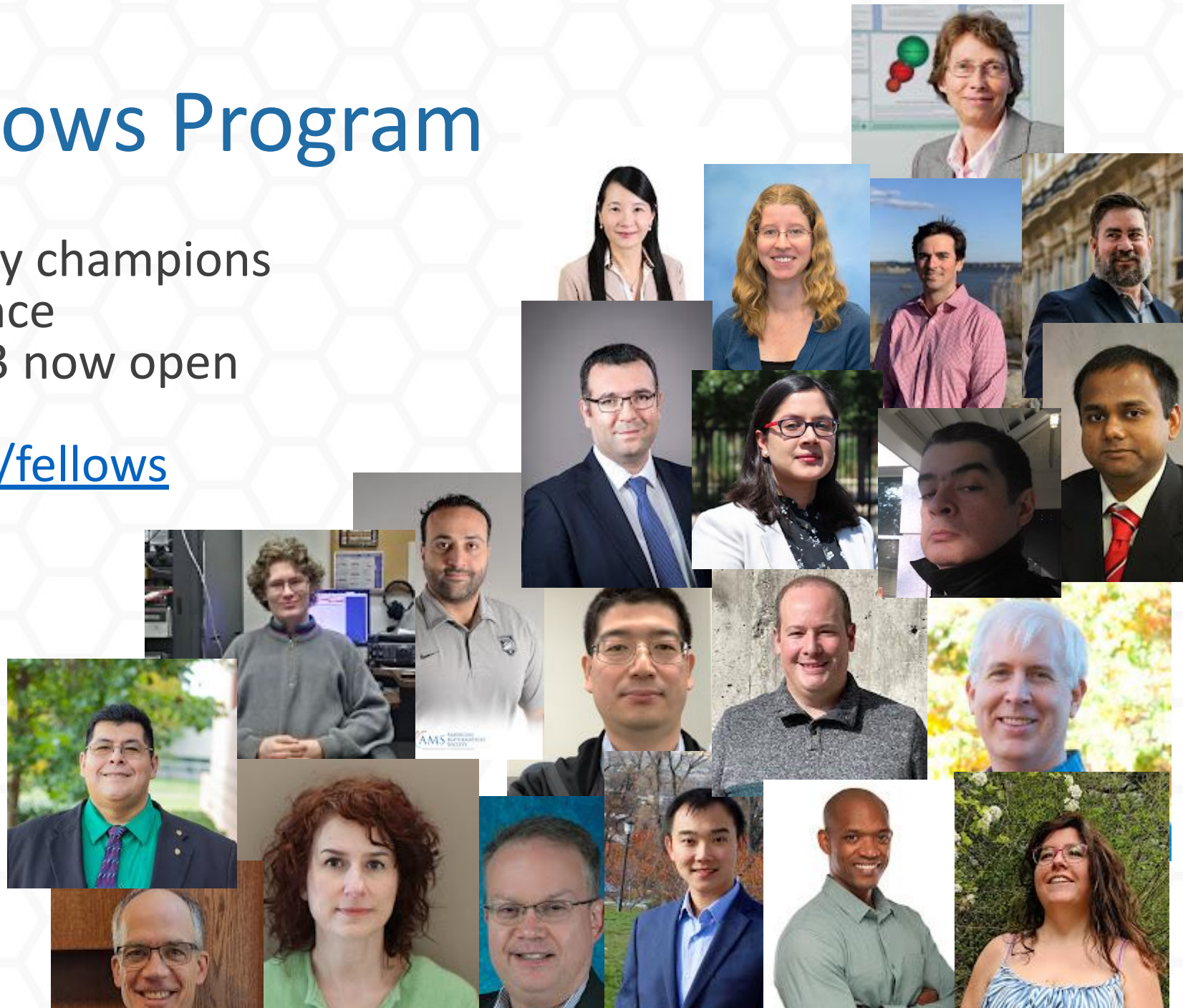


<https://www.trustedci.org/ambassadors>

Trusted CI Fellows Program

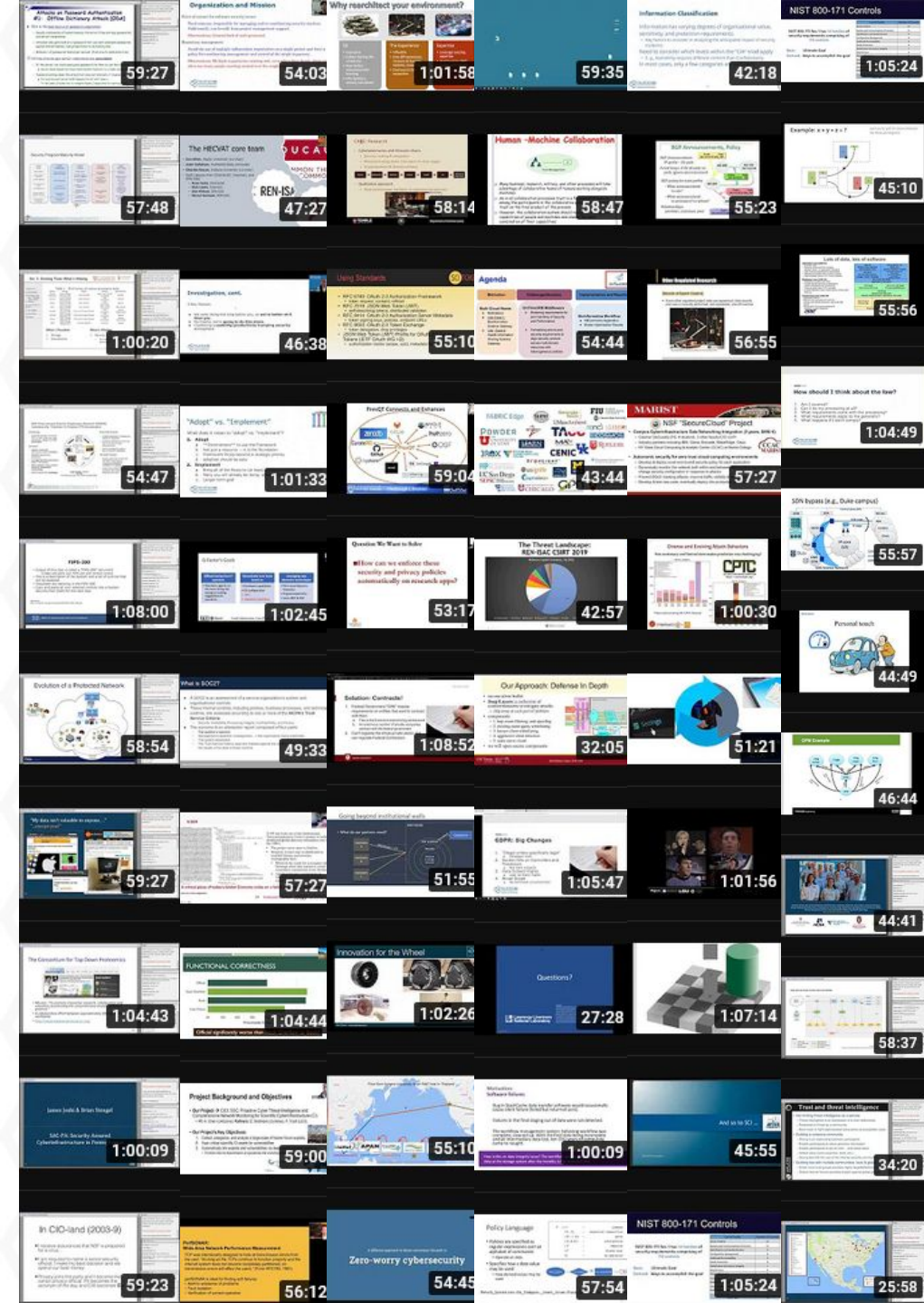
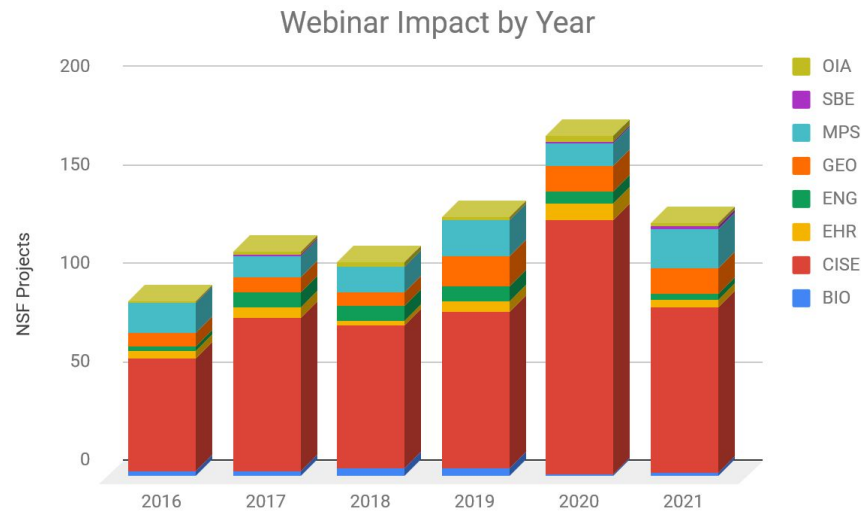
- Training cybersecurity champions
- Supporting NSF science
- Applications for 2023 now open

<https://trustedci.org/fellows>



Trusted CI Webinars

- Call for 2023 webinar topics now open
- Visit <https://www.trustedci.org/webinars> for recordings and presentation materials



2023 NSF Cybersecurity Summit

- October 2023 in Berkeley, California
- Please provide input via the attendee survey
- We look forward to your participation!



Staying Connected with Trusted CI

Trusted CI Webinars

4th Monday of month at 11am ET.

<https://trustedci.org/webinars>

Follow Us

<https://trustedci.org>

<https://blog.trustedci.org>

@TrustedCI 

Slack

Email ask@trustedci.org for an invitation.



Email Lists

Announce and Discuss

<https://trustedci.org/trustedci-email-lists>

Ask Us Anything

No question too big or too small.

info@trustedci.org

Cyberinfrastructure Vulnerabilities

Latest news on security vulnerabilities tailored for cyberinfrastructure community.

<https://trustedci.org/vulnerabilities/>

Acknowledgments

Trusted CI is supported by the National Science Foundation under Grants 1234408, 1547272, 1920430, and 2241313.

The views expressed do not necessarily reflect the views of the National Science Foundation or any other organization.

Trusted CI activities are made possible thanks to the contributions of a multi-institutional team:

<https://trustedci.org/who-we-are/>



Trusted CI License Statement

This presentation is shared under the Creative Commons AttributionNonCommercial 3.0 Unported (CC BYNC 3.0) license.

The full terms of this license are available at <http://creativecommons.org/licenses/bync/3.0/>.

Images provided by Storyblocks
(University of Illinois at Urbana-Champaign license).